WHAT IS CLAIMED IS:

- 1 1. A navigational system for a vehicle comprising an optical
- 2 arrangement installed on at least one transparent viewing surface for a
- 3 driver of the vehicle, said optical arrangement representing images
- 4 displayed on said at least one viewing surface producing guiding
- 5 images for imparting directions to the driver.
- 1 2. A navigational system as claimed in Claim 1, wherein said images
- 2 comprise graphical representation pointing towards objects observed by
- 3 the driver.
- 1 3. A navigational system as claimed in Claim 2, wherein said graphical
- 2 representations comprise an image of at least one arrow display on said
- 3 at least one viewing surface pointing towards a selected object for
- 4 guiding the driver in a specified direction of travel.
- 1 4. A navigational system as claimed in Claim 3, wherein said at least
- 2 on arrow is projected on said at least one viewing surface so as to be
- 3 perceived in a 3-dimentional spatial image.
- 5. A navigational system as claimed in claim 1, wherein said at least
- 2 one viewing surface comprises the windshield of an automotive vehicle.
- 1 6. A navigational system as claimed in Claim 1, wherein said at least
- 2 one viewing surface comprises a side front window of an automotive
- 3 vehicle.

- 1 7. A navigational system as claimed in Claim 1, wherein said at least
- 2 one viewing surface comprises eyeglasses worn by the driver of the
- 3 vehicle.
- 8. A navigational system as claimed in Claim 1, wherein said at least
- 2 one viewing surface comprises lenses of said optical arrangement
- 3 having at least one arrow provided thereon, said lenses having
- 4 regulatable degrees of curvature and through which there are displayed
- 5 objects located exteriorly of said vehicle, said lens curvatures
- 6 facilitating the 3-dimensional spatial image perception.
- 9. A navigational system as claimed in Claim 1, wherein said system
- 2 comprises means to assist drivers of the vehicle having reading
- 3 disabilities and restrictions to read the names of objects and streets
- 4 displayed on said at least one viewing surface.
- 1 10. A navigational system as claimed in Claim 1, wherein said system
- 2 comprises means to assist drivers of the vehicle to recognize the colors
- 3 of traffic lights as displayed on said at least on viewing surface.
- 1 11. A navigational system as claimed in Claim 3, wherein said system
- 2 is in operative communications with a global positioning system (GPS)
- 3 so as to impart information to the driver regarding objects observed on
- 4 said at least one viewing surface and as indicated by the driver by
- 5 pointing to the objects with pointing means.
- 1 12. A navigational system as claimed in Claim 11, wherein said
- 2 pointing means comprise said at least one arrow.
- 1 13. A navigational system as claimed in Claim 11, wherein a computer
- 2 is operatively connected to said system for operating said at least one

- 3 arrow; means for inputting information to said computer by said driver;
- 4 said computer including means for analyzing said information displayed
- 5 on said at least one viewing surface while communicating with said
- 6 global positioning system, and imparting directional instructions to said
- 7 driver in responsive to processing of said items of information.
- 1 14. A navigational system as claimed in Claim 13, wherein said
- 2 information is inputted to said computer through a microphone in the
- 3 form of verbal commands, and instructions received through a
- 4 loudspeaker.
- 1 15. A navigational system as claimed in Claim 14, wherein said
- 2 information is inputted to said computer through hand-written or
- 3 keyboard-operated functions.
- 1 16. A navigational system as claimed in Claim 13, wherein said
- 2 computer processes interrogations from said system regarding tasks
- 3 including the reading of signs, determining colors and identifying
- 4 objects, processing images related to specified tasks and providing
- 5 answers to the driver responsive thereto which are displayed on said at
- 6 least one viewing surface to assist the driver in directional guidance of
- 7 the vehicle.
- 1 17. A navigational system as claimed in Claim 13, wherein control
- 2 means for said system are installed on a driver steering wheel of said
- 3 vehicle.
- 1 18. A navigational system as claimed in Claim 17, wherein said control
- 2 means comprise a mouse which is mounted on the steering wheel.

- 1 19. A method for the navigation of a vehicle comprising installing an
- 2 optical arrangement on at least one transparent viewing surface for a
- 3 driver of the vehicle, said optical arrangement representing images
- 4 displayed on said at least one viewing surface producing guiding
- 5 images for imparting directions to the driver.
- 1 20. A navigation method as claimed in Claim 19, wherein said images
- 2 comprise graphical representation pointing towards objects observed by
- 3 the driver.
- 1 21. A navigation method as claimed in Claim 20, wherein said
- 2 graphical representations comprise an image of at least one arrow
- 3 display on said at least one viewing surface pointing towards a selected
- 4 object for guiding the driver in a specified direction of travel.
- 1 22. A navigation method as claimed in Claim 21, wherein said at least
- 2 on arrow is projected on said at least one viewing surface so as to be
- 3 perceived in a 3-dimentional spatial image.
- 1 23. A navigation method as claimed in claim 19, wherein said at least
- 2 one viewing surface comprises the windshield of an automotive vehicle.
- 1 24. A navigation method as claimed in Claim 19, wherein said at least
- 2 one viewing surface comprises a side front window of an automotive
- 3 vehicle.
- 1 25. A navigation method as claimed in Claim 19, wherein said at least
- 2 one viewing surface comprises eyeglasses worn by the driver of the
- 3 vehicle.

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- 1 26. A navigation method as claimed in Claim 19, wherein said at least
- 2 one viewing surface comprises lenses of said optical arrangement
- 3 having at least one arrow provided thereon, said lenses having
- 4 regulatable degrees of curvature and through which there are displayed
- 5 objects located exteriorly of said vehicle, said lens curvatures
- 6 facilitating the 3-dimensional spatial image perception.
- 1 27. A navigation system as claimed in Claim 19, wherein said system
- 2 to assists drivers of the vehicle having reading disabilities and
- 3 restrictions in reading the names of objects and streets displayed on
- 4 said at least one viewing surface.
- 1 28. A navigation method as claimed in Claim 19, wherein said system
- 2 comprises assisting drivers of the vehicle in recognizing the colors of
- 3 traffic lights as displayed on said at least on viewing surface.
- 1 29. A navigation method as claimed in Claim 21, wherein said system
- 2 is in operative communications with a global positioning system (GPS)
- 3 so as to impart information to the driver regarding objects observed on
- 4 said at least one viewing surface and as indicated by the driver by
- 5 pointing to the objects with pointing means.
- 1 30. A navigation method as claimed in Claim 29, wherein said pointing
- 2 means comprise said at least one arrow.
- 1 31. A navigational system as claimed in Claim 29, wherein a computer
- 2 is operatively connected to said system for operating said at least one
- 3 arrow; inputting information to said computer by said driver; said
- 4 computer analyzing said information displayed on said at least one
- 5 viewing surface while communicating with said global positioning

- 6 system, and imparting directional instructions to said driver in
- 7 responsive to processing of said items of information.
- 1 32. A navigation method as claimed in Claim 31, wherein said
- 2 information is inputted to said computer through a microphone in the
- 3 form of verbal commands, and instructions received through a
- 4 loudspeaker.
- 1 33. A navigation method as claimed in Claim 32, wherein said
- 2 information is inputted to said computer through hand-written or
- 3 keyboard-operated functions.
- 1 34. A navigation method as claimed in Claim 31, wherein said
- 2 computer processes interrogations from said system regarding tasks
- 3 including the reading of signs, determining colors and identifying
- 4 objects, processing images related to specified tasks and providing
- 5 answers to the driver responsive thereto which are displayed on said at
- 6 least one viewing surface to assist the driver in directional guidance of
- 7 the vehicle.
- 1 35. A navigation method as claimed in Claim 31, wherein a control for
- 2 said system is installed on a driver steering wheel of said vehicle.
- 1 36. A navigation method as claimed in Claim 35, wherein said control
- 2 comprises a mouse which is mounted on the steering wheel.